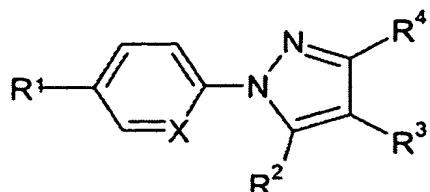


This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) Compounds of the formula I



in which

R<sup>1</sup> denotes H, A, Hal, (CH<sub>2</sub>)<sub>n</sub>Het, (CH<sub>2</sub>)<sub>n</sub>Ar, cycloalkyl having 3 to 7 C atoms, CF<sub>3</sub>, NO<sub>2</sub>, CN, C(NH)NOH or OCF<sub>3</sub>,

R<sup>2</sup> denotes (CH<sub>2</sub>)<sub>n</sub>Het, (CH<sub>2</sub>)<sub>n</sub>Ar, cycloalkyl having 3 to 7 C atoms or CF<sub>3</sub>,

R<sup>3</sup>, R<sup>4</sup> denote H, (CH<sub>2</sub>)<sub>n</sub>CO<sub>2</sub>R<sup>5</sup>, (CH<sub>2</sub>)<sub>n</sub>COHet, CHO, (CH<sub>2</sub>)<sub>n</sub>OR<sup>5</sup>, (CH<sub>2</sub>)<sub>n</sub>Het, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)<sub>2</sub>, CH=N-OA, CH<sub>2</sub>CH=N-OA, (CH<sub>2</sub>)<sub>n</sub>NHOA, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)Het, (CH<sub>2</sub>)<sub>n</sub>CH=N-Het, (CH<sub>2</sub>)<sub>n</sub>000R<sup>5</sup>, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>CH<sub>2</sub>OR<sup>5</sup>, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>CH<sub>2</sub>OCF<sub>3</sub>, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)C(R<sup>5</sup>)H000R<sup>5</sup>, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>COHet, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>Het, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>CH<sub>2</sub>Het, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>CH<sub>2</sub>N(R<sup>5</sup>)CH<sub>2</sub>000R<sup>5</sup>, (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)CH<sub>2</sub>CH<sub>2</sub>N(R<sup>5</sup>)<sub>2</sub>, CH=CHCOOR<sup>5</sup>, CH=CHCH<sub>2</sub>NR<sup>5</sup>Het, CH=CHCH<sub>2</sub>N(R<sup>5</sup>)<sub>2</sub>, CH=CHCH<sub>2</sub>OR<sup>5</sup> or (CH<sub>2</sub>)<sub>n</sub>N(R<sup>5</sup>)Ar, where in each case one of the radicals R<sup>3</sup> or R<sup>4</sup> denotes H,

R<sup>5</sup> denotes H or A,

A denotes straight-chain or branched alkyl or alkoxy having 1 to 10 C atoms, alkenyl or alkoxyalkyl having 2 to 10 C atoms,

Het denotes a saturated, unsaturated or aromatic mono- or bicyclic heterocyclic or linear or branched organic radical

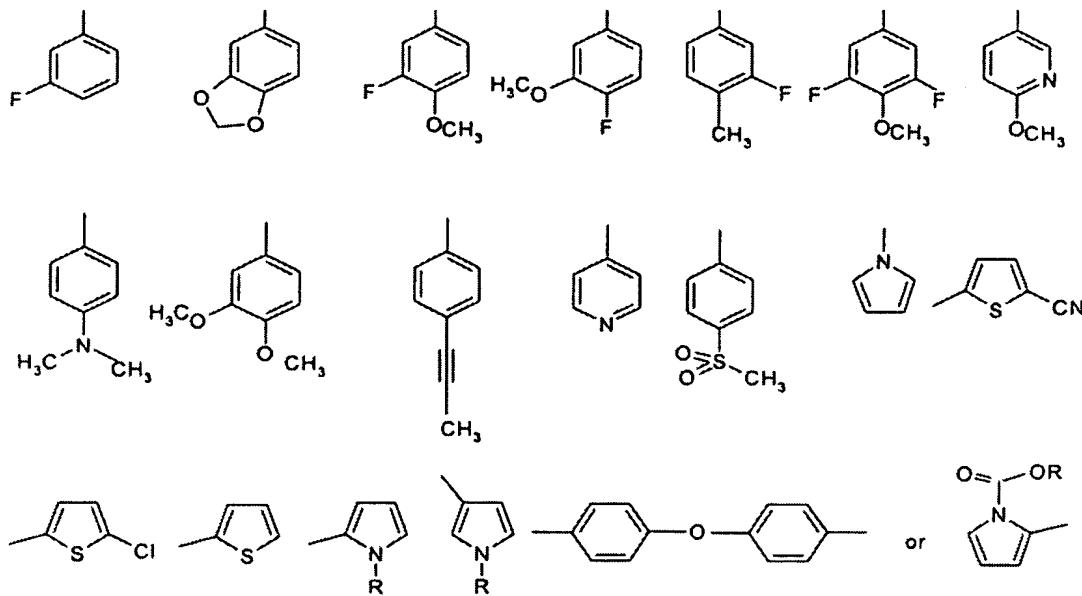
containing one or more heteroatoms which is unsubstituted or mono- or polysubstituted by A and/or Hal,

Ar denotes a phenyl radical which is unsubstituted or mono- or polysubstituted by A and/or Hal, OR<sup>1</sup>, OOCR<sup>5</sup>, COOR<sup>5</sup>, CON(R<sup>5</sup>)<sub>2</sub>, CN, NO<sub>2</sub>, NH<sub>2</sub>, NHCOR<sup>5</sup>, CF<sub>3</sub> or SO<sub>2</sub>CH<sub>3</sub>,

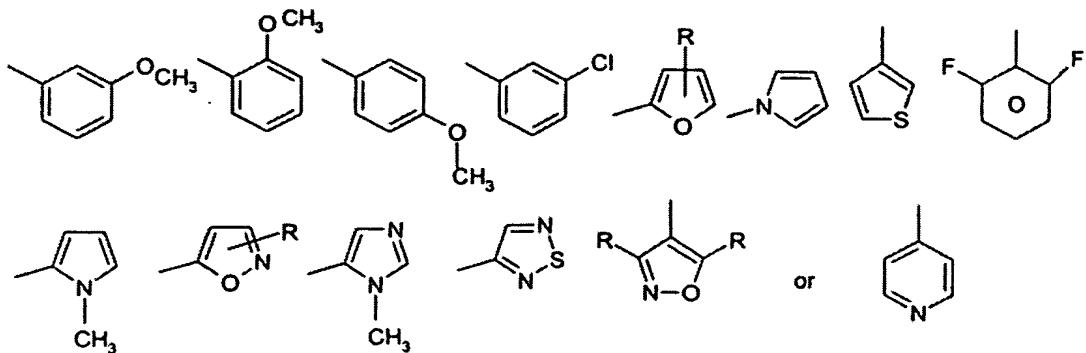
n denotes 0, 1, 2, 3, 4 or 5,

Hal denotes F, Cl, Br or I, and

X denotes N or, in the case where R<sup>1</sup> denotes



in which R denotes H or an alkyl group having 1 to 6 C atoms, and/or R<sup>2</sup> has one of the following meanings:



in which R denotes H or an alkyl group having 1 to 6 C atoms,

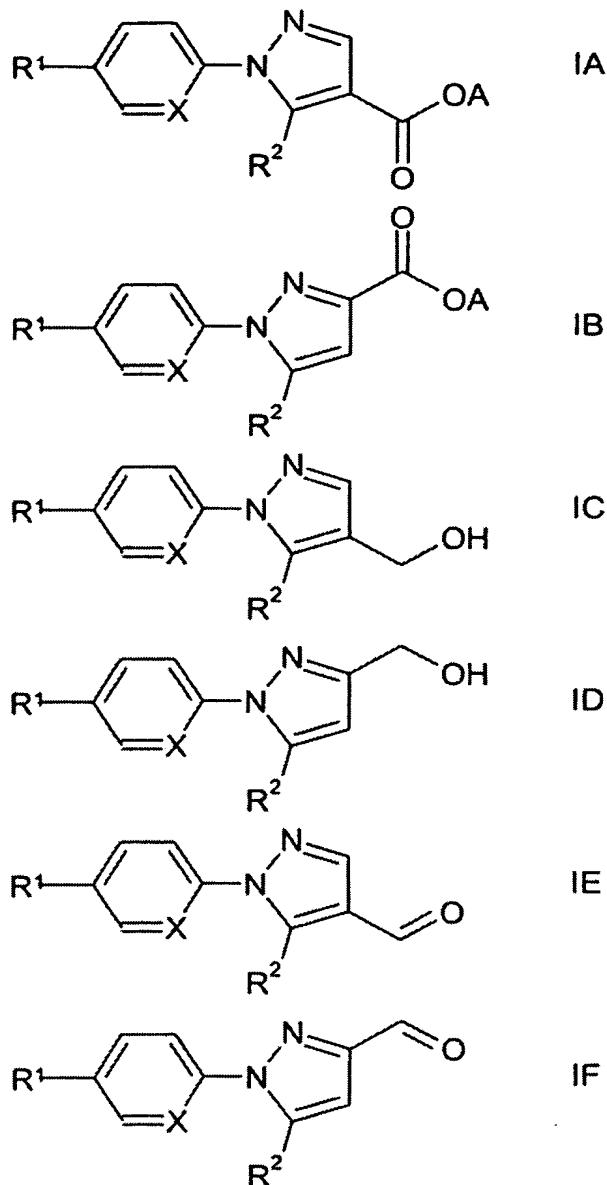
alternatively denotes CH,

and salts and solvates, enantiomers, and racemates thereof and other mixtures of the enantiomers, in particular physiologically tolerated salts and solvates thereof.

2. (Original) Compounds of the formula I according to Claim 1, in which R' denotes phenyl, 2-, 3- or 4-cyanophenyl, 2-, 3- or 4-fluorophenyl, 2-, 3- or 4-methyl-, -ethyl-, -n-propyl- or -n-butylphenyl, 2,3-, 2,4-, 2,5-, 2,6-, 3,4-, 3,5- or 3,6-difluoro-, -dichloro- or -dicyanophenyl, 3,4,5trifluorophenyl, 3,4,5-trimethoxy- or -triethoxyphenyl, thiophen-2-y1 or thiophen-3-y1.
3. (Currently Amended) Compounds of the formula I according to claim 1 one or more of the preceding claims, in which R<sup>3</sup> denotes H.
4. (Currently Amended) Compounds of the formula I according to claim 1 one or more of the preceding claims, in which R<sup>4</sup> denotes H.
5. (Currently Amended) Compounds of the formula I according to claim 1 one or more of the preceding claims, in which R<sup>2</sup> denotes phenyl, 2-, 3- or 4-cyanophenyl, 2-, 3- or 4-fluorophenyl, 2-, 3- or 4-methyl-, -ethyl-, -n-propyl- or -n-butylphenyl, 2,3-, 2,4-, 2,5- or 2,6-difluoro- or -dicyanophenyl, thiophen-2-y1 or thiophen-3-y1, 2-, 3- or 4-pyridyl, 2-, 4- or 5-oxazolyl, 2-, 4- or

5-thiazolyl, quinolinyl, isoquinolinyl, 2- or 4-pyridazyl, 2-, 4- or 5-pyrimidyl, or 2- or 3-pyrazinyl.

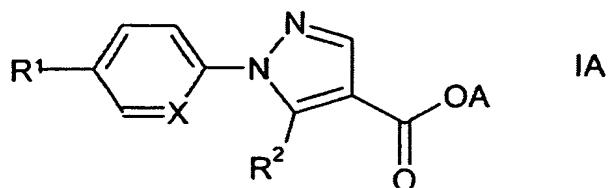
6. (Currently Amended) Compounds of the formula I according to claim 1 ~~one or more of the preceding claims~~, in which X denotes N.
7. (Original) Compounds of the formulae IA, IB, IC, ID, IE and IF:



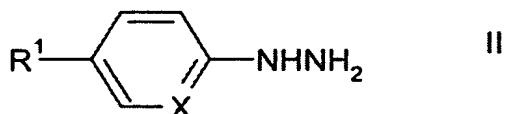
in which

R<sup>1</sup>, R<sup>2</sup> and X have the meanings indicated in Claim 1.

8. (Original) Process for the preparation of compounds of the formula IA



in which R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, X and A have the meanings indicated in Claim 1,  
and salts and solvates thereof, which is characterised in that a compound of the  
formula II

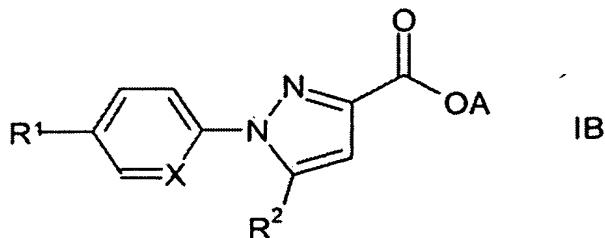


or acid-addition salts thereof in which  
R<sup>1</sup> and X have the meanings indicated in Claim 1, is reacted  
with a compound of the formula III

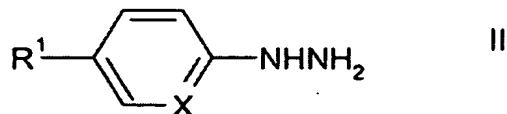


in which  
A and R<sup>2</sup> have the meanings indicated in Claim 1,  
and/or in that a basic compound of the formula IA is converted into one of its salts by  
treatment with an acid.

9. (Original) Process for the preparation of compounds of the formula IB

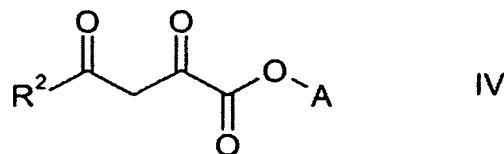


in which R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, X and A have the meanings indicated in Claim 1, and salts and solvates thereof, which is characterised in that a compound of the formula II



or acid-addition salts thereof in which

R<sup>1</sup> and X have the meanings indicated in Claim 1, is reacted with a compound of the formula IV



in which

A and R<sup>2</sup> have the meanings indicated in Claim 1, and/or in that a basic compound of the formula IB is converted into one of its salts by treatment with an acid.

10. (Currently Amended) Compounds of the formula I according to claim 1 one or more of Claims 1 to 6 and physiologically acceptable salts and solvates thereof as medicaments.
11. (Currently Amended) Use of the compounds of the formula I according to claim 1 one or more of Claims 1 to 6, and salts and solvates thereof, for the preparation of a medicament for the treatment and prophylaxis of diseases which can be influenced by the binding of the compounds of the formula I to 5 HT receptors.
12. (Currently Amended) Use of compounds of the formula I according to claim 1 one or more of Claims 1 to 6 and/or physiologically acceptable salts and solvates thereof for the preparation of a medicament having a 5-HT receptor-antagonistic action.

13. (Currently Amended) Use of compounds of the formula I according to claim 1  
~~one or more of Claims 1 to 6~~ and/or physiologically acceptable salts and  
solvates thereof for the preparation of a medicament having a 5-HT2A  
receptor-antagonistic action.

14. (Currently Amended) Pharmaceutical composition characterised by a  
content of at least one compound of the formula I according to claim 1 ~~one or  
more of Claims 1 to 6~~ and/or one of its physiologically acceptable salts and/or  
one of its solvates.

15. (Original) Process for the preparation of pharmaceutical compositions, charac-  
terised in that a compound of the formula I according to Claim 1 and/or one  
of its physiologically acceptable salts and/or one of its solvates is converted  
into a suitable dosage form together with at least one solid, liquid or semi-  
liquid excipient or adjuvant.

16. (Currently Amended) Use of compounds of the formula I according to claim 1  
~~one or more of Claims 1 to 6~~ and/or physiologically acceptable salts or  
solvates thereof for the preparation of a medicament for the prophylaxis and/or  
treatment of psychoses, neurological disorders, amyotrophic lateral sclerosis,  
eating disorders, such as bulimia, anorexia nervosa, of premenstrual syndrome  
and/or for positively influencing obsessivecompulsive disorder (OCD).

17. (Original) Compounds of the formula I in which Het is one of the following radicals:

